

LIGHT-EMITTING DIODE

Abstract

A light-emitting diode (LED) mainly includes a surface mounted package. The surface mounted package includes a substrate, two composite metal layers positioned on the substrate and being insulated from each other, an LED chip electrically connected to the composite metal layers, and a sealing member covering the LED chip. Each of the composite metal layers has a silver layer for preventing solder paste from penetrating into space between the sealing member and the composite metal layers and for reflecting light beams generated by the LED chip.